



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Overhead Door Corporation.
1900 Crown Drive.
Farmer Branch, Texas 75234

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: Series 180 Sectional Door 16' Wide.

APPROVAL DOCUMENT: Drawing No. D-410130 Sheets 1 through 3 & D410128, Sheets 1 of 1, titled "Windload, 188, 60 Psf, Post, 16'-0" Max, Dade" dated 07/07/03 & 06/19/03, with last revisions on 09/02/03 & 06/19/03, prepared by Overhead Door Corporation. signed and sealed by T. L. Krupke, PE. bearing the Miami-Dade County Product Control Revision stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large & Small Missile.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panel under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimens were selected from coils at the manufacturer production facilities, and a notarized statement from the manufacturer that only coils with yield strength of 36,000 psi or more shall be used to make panels for Miami Dade County under this Notice of Acceptance.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 03-0213.16 and consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**



[Signature]
04/29/04

NOA No: 03-1006.03
Expiration Date: August 21, 2008
Approval Date: April 29, 2004
Page 1

Overhead Door Corporation.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWINGS

1. Drawing prepared by Overhead Door Corporation titled "Windload, 188, 60 Psf, Post, 16'-0" Max Dade", Drawing No. D-410130, Sheets 1 through 3 dated 07/07/03 & D-410128, Sheets 1 of 1 dated 06/19/03 with latest revision on 09/02/03 & 06/19/03 signed and sealed by L. G. Krupke PE.

B TEST

1. Test Report on Large Missile Impact Test per TAS 201 and Cyclic Wind Pressure Test per TAS 203 of 24 GA steel skin prepared by Construction Consulting Laboratory International. report No. CCLI-03-153 dated 09/30/03, signed and sealed by A. H. Rezadad, PE.
2. Test Report on Uniform Static Air Pressure Test per TAS 202 of 24 GA steel skin prepared by Construction Consulting Laboratory International, report No. CCLI-03-169, dated 09/30/03, signed and sealed by A. H. Rezadad, PE.
3. Revision to Test CCLI-03-169, dated 03/19/04, signed and sealed by A. H. Rezadad, PE.
4. Test Report on Salt Spray Test per ASTM B117, dated 07/09/03, prepared by Sherry Laboratories and signed by J. L. Judt.
5. Test report on tensile test per ASTM E-80, dated 09/23/03, prepared by Dallas Laboratories Inc and signed by K. W. Jones

C CALCULATIONS


N/A.

D QUALITY ASSURANCE

1. Building Code Compliance Office.

E STATEMENTS

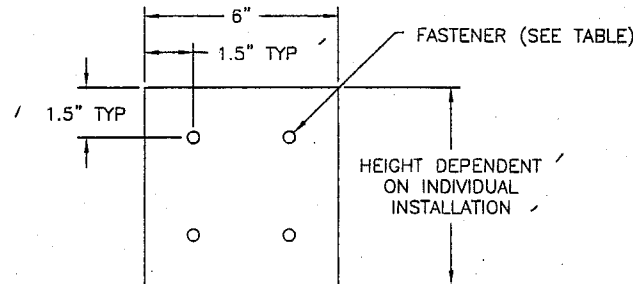
1. Letter of Code Compliance and No financial Interest prepared by Overhead Door on 09/30/03 signed and sealed by L. Krupke PE and notarized by M. G. Betes.


Candido F. Font PE.
Sr. Product Control Examiner
NOA No 03-1006.03
Expiration Date: August 21, 2008
Approval Date: April 29, 2004

NOTES

1. ALL LOADS FROM THE DOOR ARE TRANSFERRED TO THE VERTICAL JAMBS THROUGH THE TRACK (SPF STUD GRADE OR BETTER). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB WITH "STRUT ONLY" WINDLOAD DESIGNS.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +2989 LB & -2989 LB.
3. ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. JAMB BRACKETS AND SCAB BRACKETS SHALL BE INSTALLED WITH 5/16" X 1-3/4" LAG SCREWS (ASTM A307, GRADE A) - ON SYP (S.G.=0.55). QUANTITY AND LOCATION ARE PRESENTED ON APPLICABLE WINDLOAD DOOR DRAWINGS.
5. SPRING ANCHOR BRACKETS SHALL BE INSTALLED WITH 5/16" X 2-1/2" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55). HEADER BRACKETS SHALL BE INSTALLED WITH 5/16" X 1-3/4" LAG SCREWS (ASTM A307, GRADE A) ON SYP (S.G.=0.55).

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
-	RFP PER EN 11401	6/19/03	



SPRING ANCHOR BRACKET PAD DETAIL

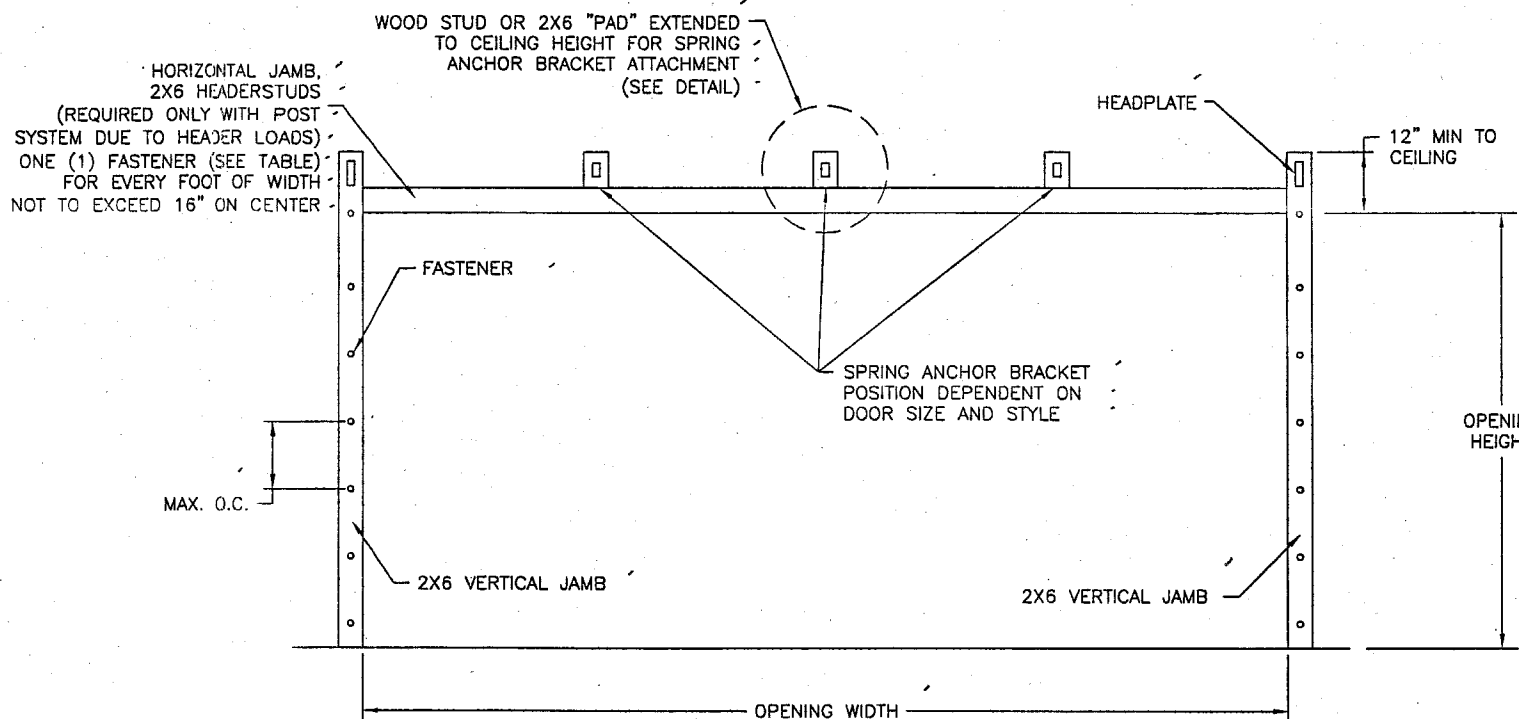
OPENING REQUIREMENTS

WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN 2 FULL LENGTH STUDS AND 2 HEADERSTUDS USING SPF STUD GRADE OR BETTER WOOD. STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS AND IN ACCORDANCE WITH FBC CHAPTER 23. INSTALLATION IN ACCORDANCE WITH DWG 409783 IS AN ACCEPTABLE ALTERNATIVE.

BLOCK WALL OR CONCRETE

2X6 MIN. WOOD JAMB AND 2x6 MIN. WOOD HEADERSTUD SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING INTO THE FOOTING AND INTO THE BEAMS. (STRENGTH IS ASSUMED TO BE 2500 PSI). ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO THE FOOTING FOR BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY A BUILDING PROFESSIONAL OF RECORD AND IN ACCORDANCE WITH FBC CHAPTER 21.



JAMB REQUIREMENTS

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS TO 2X6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MIN. NO. OF FASTENERS PER VERTICAL JAMB		MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?	USE FOR SPRING ANCHOR BRACKET OR POST PAD?
		7' HIGH	8' HIGH			
WOOD FRAME (SPF)	5/16" X 3" LAG SCREW (ASTM A307, GRADE A), 1-5/8" MIN. EMBED.	10	12	12"	YES	YES
C-90 BLOCK (2,500 PSI GROUT)	1/4" X 4" ITW TAPCON CONCRETE ANCHOR, 1-3/4" MIN. EMBED.*	7	8	14"	YES	YES
C-90 BLOCK (2,500 PSI GROUT)	3/8" X 4" RAWL LOK/BOLT ANCHOR BOLT, 1-5/8" MIN. EMBED.*	7	8	16"	NO	YES
CONCRETE COLUMN (2,500 PSI)	3/8" X 4" RAWL LOK/BOLT ANCHOR BOLT, 1-5/8" MIN. EMBED.*	7	8	16"	NO	YES
2000 PSI CONCRETE	1/4" J-BOLT	12	14	12"	YES	YES
2000 PSI CONCRETE	5/16" J-BOLT	10	12	12"	YES	YES
2000 PSI CONCRETE	5/8" J-BOLT	7	8	16"	YES	YES

* - TAPCONS/ANCHOR BOLTS CAN BE INSTALLED DIRECTLY THROUGH TRACK BRACKETS/ANGLE IN LIEU OF 5/16" X 1-5/8" LAG SCREWS. RAWL LOK/BOLT SHALL BE TORQUED AS SPECIFIED BY THE RAWL DRILLING AND ANCHORING SYSTEMS DESIGN MANUAL.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-1006.03
Expiration Date 8/21/8
By [Signature]
Miami Code Product Control
Division

Approved as complying with the
Florida Building Code
Date 8/21/03
NOA# 03-0213.16
Miami Code Product Control
Division
By [Signature]

[Signature]
7-17-03

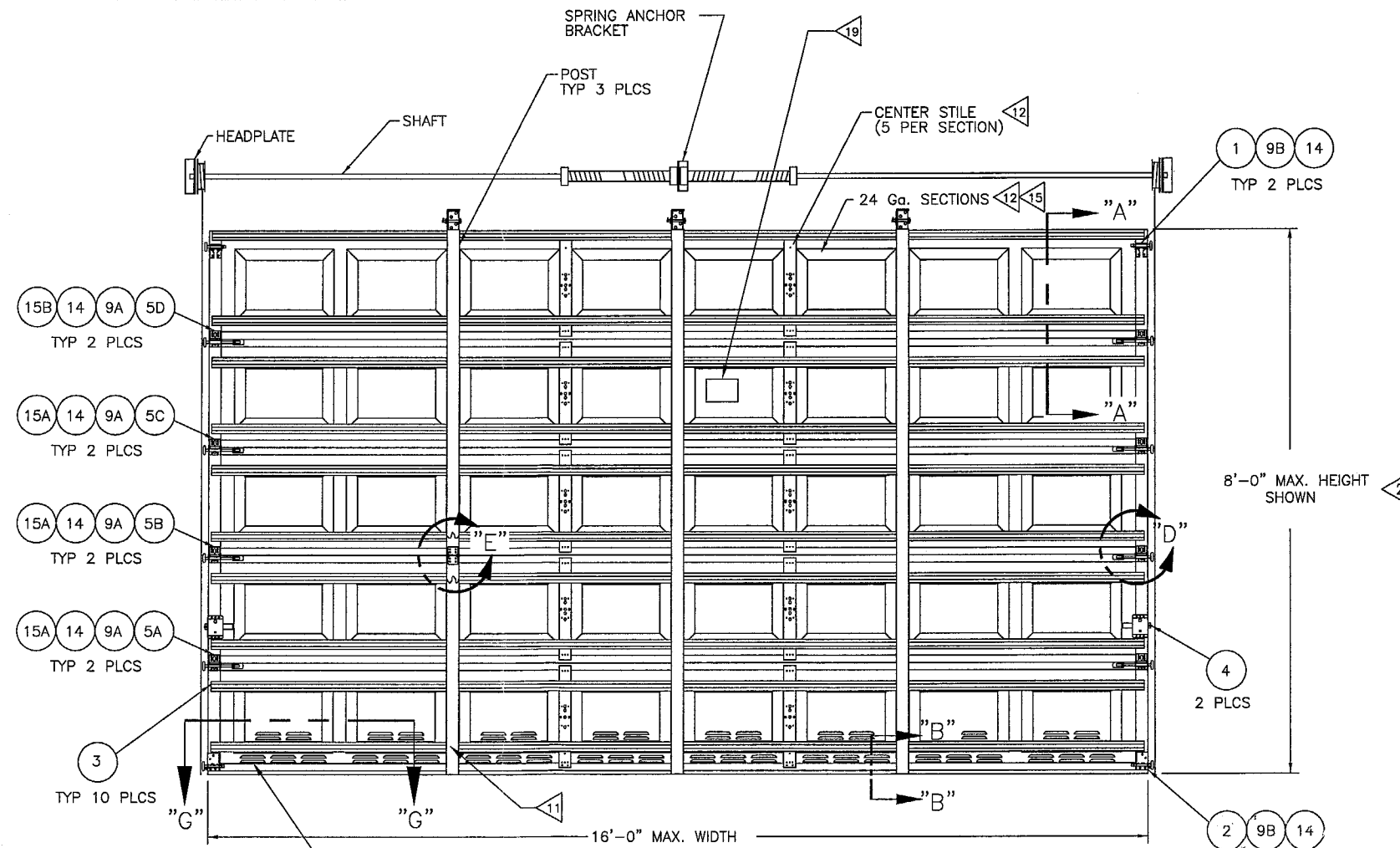
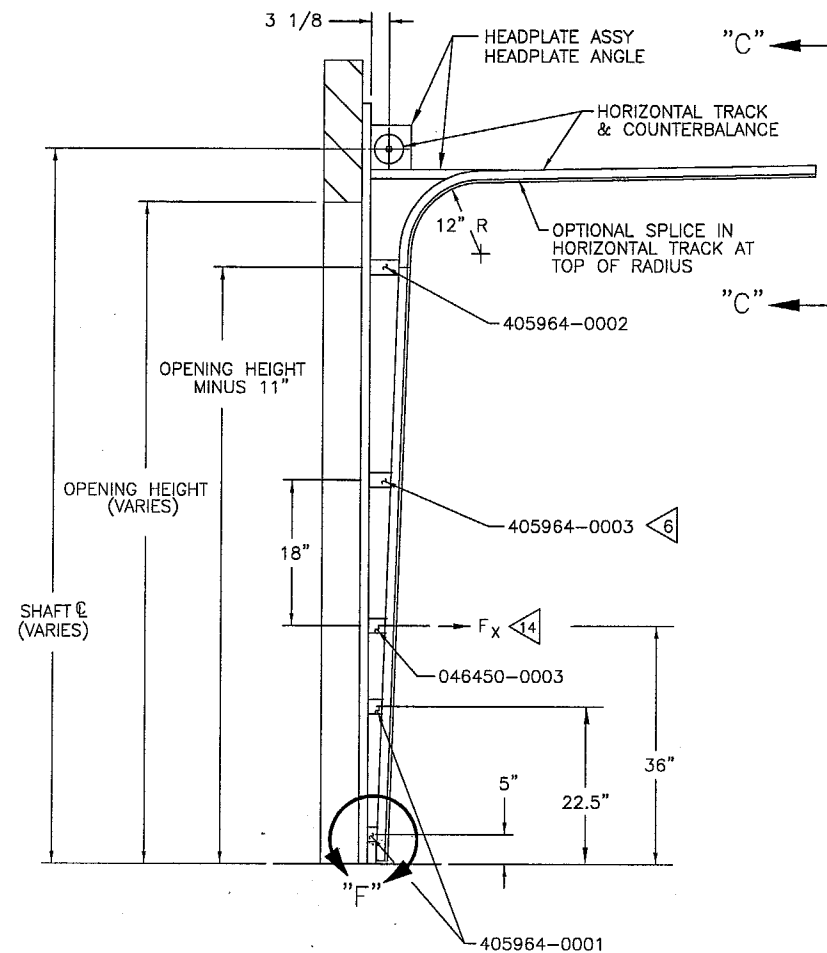
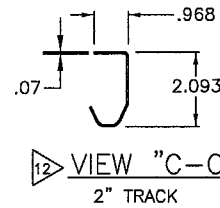
UNLESS OTHERWISE SPECIFIED			NAME	DATE	DRAWING TITLE
DIMENSIONS ARE IN INCHES.TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES & 0° 30'	DRAWN BY: M. WOMACK	05/14/03	JAMB DETAIL, RESIDENTIAL, DADE
3/16" ± .03	UNDER .251"-.004"-.003	FRACTIONS ± 1/16"	CHECKED BY: G. F. W. [Signature]	6/19/03	DRAWING NUMBER D - 410128
.001" ± .005	.251 TO .260"-.004"-.003		APPLIED FINISH: N/A	UNIT OF MEASURE: N/A	SCALE: NONE
	OVER .260"-.004"-.003		APPROVED BY: [Signature]	6/19/03	SHEET 1 OF 1

NOTES

- DESIGNED AND TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE.
16'-0" MAX WIDTH x 8'-0" MAX HEIGHT - 60 PSF DESIGN WIND LOAD.
- DOORS OVER 8'-0" HIGH ARE NOT AVAILABLE. POST DESIGNS AVAILABLE FOR THE FOLLOWING DOOR HEIGHTS: 6'-6", 6'-9", 7'-0", 7'-6", AND 8'-0".
4 SECTION DOOR INTERMEDIATE SECTIONS TO BE CONFIGURED THE SAME AS INTERMEDIATE SECTIONS SHOWN.
- SECTION HEIGHTS OF 21.00", 19.00", & 16.75" ARE AVAILABLE AND MAY BE USED IN COMBINATION TO ACHIEVE VARIOUS HEIGHT DOORS, NOT EXCEEDING 8'-0" HIGH.
- EMBOSSMENT PATTERN OF 14.5 X 20.4 SHOWN. ALTERNATE PATTERNS OF 12.5 X 20.4 AND 12.5 X 43.4 AVAILABLE.
DOORS WITHOUT EMBOSSMENTS ALSO AVAILABLE.
- TORSION SPRINGS SHOWN.
- USE THIS BRACKET ON 8' HIGH DOORS ONLY.
- WINDOWS ARE NOT AVAILABLE.
- ATTACH STRUTS TO STILES WITH 2 SCREWS AT ALL CENTER/END STILES.
IN ADDITION, ATTACH TOP SIDE OF TOP STRUT ON TOP SECTION WITH (1) SCREW BETWEEN EVERY EMBOSSMENT.
STRUT PLACEMENT ON SECTIONS MAY VARY +/- 2 INCHES.
TOP SECTION - DIRECTLY ABOVE TOP FIXTURES AND BOTTOM OF SECTION.
INTERMEDIATE SECTIONS - TOP AND BOTTOM OF SECTION.
BOTTOM SECTION - TOP AND BOTTOM OF SECTION.
- JAMB DETAIL TO BE IN ACCORDANCE WITH DRAWING 410128.
JAMB/SCAB BRACKET ATTACHING HARDWARE SHALL BE AS FOLLOWS:
WOOD JAMB - LAG SCREW, 5/16 X 1-3/4,
CONCRETE BLOCK - RAWL LOCK BOLT, 5/16 X 1-1/2 EMBEDMENT.

- POST BRACKETS TO BE INSTALLED CONCURRENTLY WITH CENTER HINGES.
PLACE POST BRACKETS ON TOP OF CENTER HINGE, LINING UP ALL FOUR HOLES, AND FASTENING TO DOOR WITH FOUR SCREWS.
- USE 4 SCREWS TO FASTEN BTM SECTION BTM STRUT TO EACH CENTER STILE W/POST.
- ASTM A-653 & A-924 (CS TYPE B) 30k - 55k PSI YIELD PER 605755.
- JAMB LOAD CALCULATIONS:
(1/8 DOOR WIDTH)(1 FOOT OF HEIGHT)(DESIGN LOAD)
(2 FT)(1 FT)(60.0 PSF)=120 lb/FT OF HEIGHT.
- JAMB FASTENER REQUIREMENT:
 $F_x = (1/8 \text{ DOOR WIDTH})(2.52 \text{ FEET})(\text{DESIGN LOAD})$
 $F_x = (2 \text{ FT})(2.10 \text{ FT})(60 \text{ PSF})=241.2 \text{ lbs}$
- DOOR SKIN MATL SHALL BE GALVANIZED (0.024" THK) ACCORDING TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED BY DADE COUNTY BLDG. CODE COMPLIANCE OFFICE.
- TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS TAS 201, TAS 202, AND TAS 203.
- POST LOAD CALCULATIONS (MAX DOOR HEIGHT OF 8 FEET):
(1/4 DOOR WIDTH)(8 FEET)(DESIGN LOAD)
(4 FT)(8 FT)(60 PSF)=1920 lbs
- POST HEADER BRACKET FASTENER REQUIREMENT:
 $F = (\text{POST LOAD})/(\# \text{ OF REACTION POINTS})(\# \text{ OF FASTENERS})$
 $F = (1920 \text{ lbs})/(2)(4 \text{ EA})= 240 \text{ lbs}$
- REMOVABLE WINDLOAD POST INSTALLATION INSTRUCTION LABEL IS ATTACHED TO DOOR BACK SIDE.
- THREE REMOVABLE WINDLOAD POSTS MUST BE ATTACHED AND FULLY ENGAGED WHEN HURRICANE WARNING IS ANNOUNCED.

OHD/GENIE EQUIVALENCY CHART		REVISIONS			
OHD DOOR SERIES No.	GENIE DOOR SERIES No.	EN	REV	DESCRIPTION	DATE
SERIES 188	SERIES GDS300	11401	-	RELEASE FOR PRODUCTION	07/07/03
SERIES 189	SERIES GDS30R	11483	A	REVISE PER EN	09/02/03



STANDARD TRACK DETAIL

INTERIOR ELEVATION

SERIES 180 THRU 189
ARE EQUIVALENT CONSTRUCTION

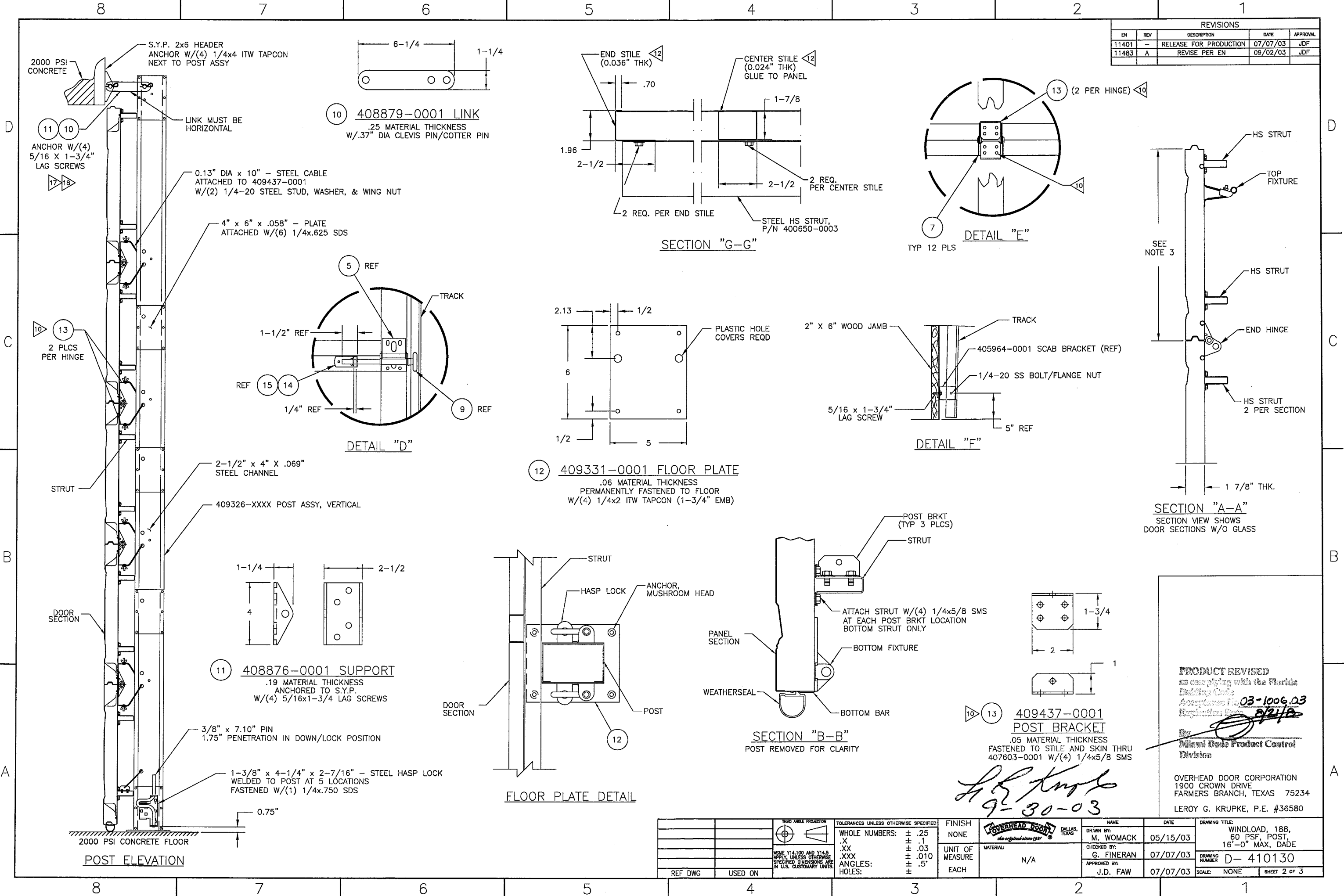
DESIGN PRESSURE (PSF)	MAX. DOOR WIDTH (FEET)	CENTER STILES/SECTION	END STILE	ROLLER SHAFT BRACKET AT JOINT	STRUTS	ROLLER	VERTICAL TRACK GAGE	JAMB LOAD (LBS/FT OF HEIGHT AT DESIGN PRESSURE)	HARDWARE
60	16'-0"	5	SINGLE	YES	HS2	2" X 7/16" TR3	.068"	120	STD.

THIRD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	MATERIAL	NAME		DATE	DRAWING TITLE	
ASME Y14.100 AND Y14.5 APPLY, UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.		WHOLE NUMBERS: ± .25	.XX	NONE		DRAWN BY:	M. WOMACK	05/15/03	WINDLOAD, 188, 60 PSF, POST, 16'-0" MAX, DADE	
		.XXX ± .03	.XX	UNIT OF MEASURE		CHECKED BY:	G. FINERAN	07/07/03	D-410130	
		ANGLES: ± .5°	HOLES: ± .010	EACH	N/A	APPROVED BY:	J.D. FAW	07/07/03	SCALE: 3/8 SHEET 1 OF 3	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-1006.03
Expiration Date 9/21/8
By
Miami Dade Product Control
Division
OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LEROY G. KRUPKE, P.E. #36580

L.G. Krupke
9-30-03

REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
11401	-	RELEASE FOR PRODUCTION	07/07/03	JDF
11483	A	REVISE PER EN	09/02/03	JDF

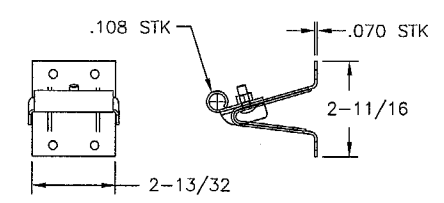


PRODUCT REVISED
 as complying with the Florida Building Code
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 Inspection Date 8/21/03
 By [Signature]
 Miami Dade Product Control Division

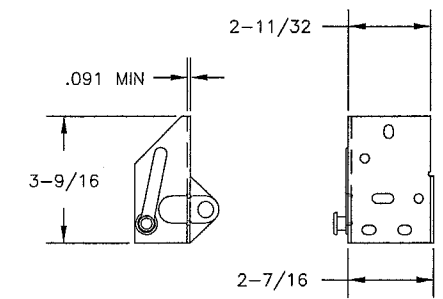
OVERHEAD DOOR CORPORATION
 1900 CROWN DRIVE
 FARMERS BRANCH, TEXAS 75234
 LEROY G. KRUPKE, P.E. #36580

TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH		NAME		DATE		DRAWING TITLE	
WHOLE NUMBERS:	± .25	NONE		DRWN BY:	M. WOMACK	05/15/03		WINDLOAD, 188, 60 PSF, POST, 16'-0" MAX, DADE	
.X	± .1			CHECKED BY:	G. FINERAN	07/07/03		DRAWING NUMBER	D-410130
.XX	± .03	UNIT OF MEASURE	EACH	APPROVED BY:	J.D. FAW	07/07/03		SCALE:	NONE
.XXX	± .010								SHEET 2 OF 3
ANGLES:	± .5°								
HOLES:	± .5"								

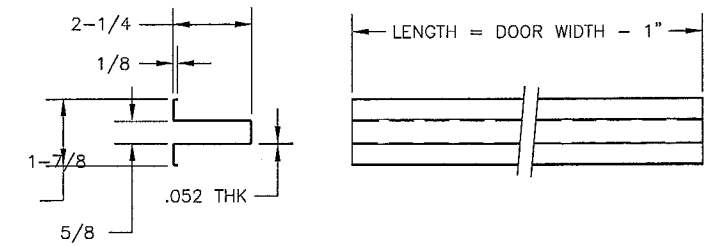
REVISIONS				
EN	REV	DESCRIPTION	DATE	APPROVAL
11401	-	RELEASE FOR PRODUCTION	07/07/03	JDF
11483	A	REV PER EN	09/02/03	JDF



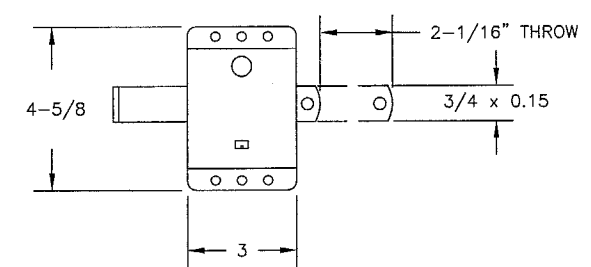
1 409808-0001 TOP FIXTURE
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



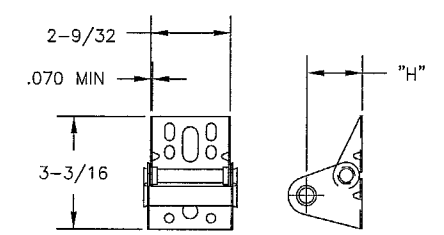
2 405771-0001 BOT. FIXTURE, LH
405771-0002 BOT. FIXTURE, RH
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



3 400650-XXX2 ROLLED HS-2 STRUT
FASTENED TO CENTER/END STILES W/(2) 1/4x5/8 SMS

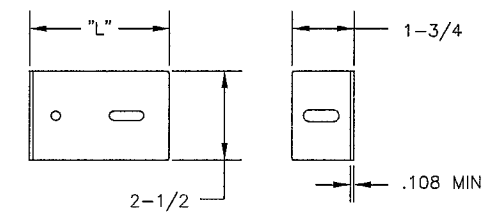


4 409334-0001 SLIDE LOCK ASSY
FASTENED TO END STILE W/(4) 1/4x5/8 SMS



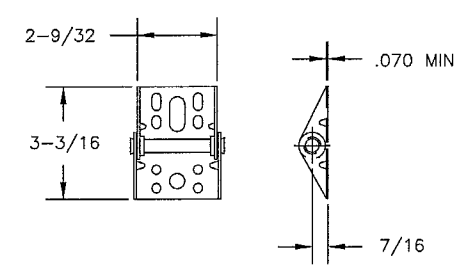
5X 407605-000X END HINGE
FASTENED TO END STILE
W/(4) 1/4x5/8 SMS

5	PART NUMBER	"H"
A	407605-0002	.85
B	407605-0003	1.10
C	407605-0004	1.35
D	407605-0005	1.60

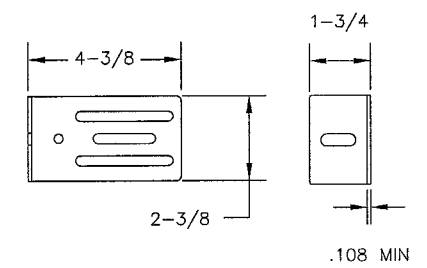


6 405964 & 046450 SCAB BRACKET
JOINED TO TRACK W/(1) 1/4-20 SS BOLT/FLANGE NUT

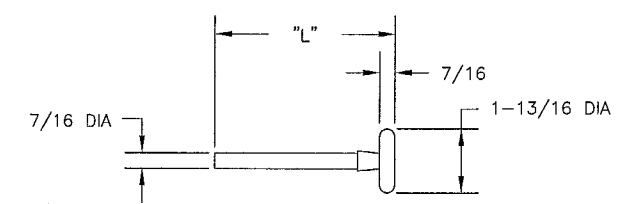
PART. NUMBER	"L"
405964-0001	3-1/4
046450-0003	4



7 407603-0001 CENTER HINGE
FASTENED TO STILE AND SKIN
W/(4) 1/4x5/8 SMS THRU 409437-0001

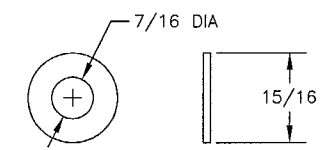


8 405964-0002 JOINT BRACKET
JOINED TO TRACK
W/(4) 1/4-20 SS BOLT/FLANGE NUT

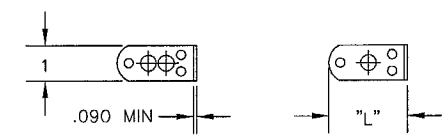


9X 061166-000X ROLLER ASSY, TR3
LOCKED W/608624-0001 PUSH NUT

X	PART. NUMBER	"L"
A	061166-0001	7-9/16
B	061166-0002	5-1/8



14 608624-0001 PUSH NUT



15A 405742-0001 BRKT, ROLLER SHAFT
FASTENED TO DOOR W/(2) 1/4x5/8 SMS

15B 407305-0001 BRKT, ROLLER SHAFT
FASTENED TO DOOR W/(2) 1/4x5/8 SMS

PART. NUMBER	"L"
405742-0001	2-1/4
407305-0001	3-1/4

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as complying with the Florida
Building Code
Acceptance No 03-1006.03
Expiration Date 8/21/8
By [Signature]
Miami Dade Product Control
Division
OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LEROY G. KRUPKE, P.E. #36580

[Signature]
9-30-03

THIRD ANGLE PROJECTION		TOLERANCES UNLESS OTHERWISE SPECIFIED		FINISH	MATERIAL	NAME	DATE	DRAWING TITLE	
ASME Y14.100 AND Y14.5 APPLY UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN U.S. CUSTOMARY UNITS		WHOLE NUMBERS: ± .25 .X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5° HOLES: ± .5°		NONE		DRAWN BY: M. WOMACK CHECKED BY: G. FINERAN APPROVED BY: J.D. FAW	05/15/03 07/07/03 07/07/03	WINDLOAD, 188, 60 PSF, POST, 16'-0" MAX, DADE	D- 410130
REF DWG	USED ON			UNIT OF MEASURE EACH	N/A			SCALE: NONE	SHEET 3 OF 3